

INTEGRATOR REST API'S

Version: 1.0.2

Available endpoints

Endpoint	Method	Action
/service/authenticate	POST	Obtain an authorization token (needed as Bearer authentication for all other requests)
/eas/documents	POST	Upload a document with metadata
/eas/documents/{archiveTicket}	GET	Download document
/eas/documents/{archiveTicket}/metadata	GET	Get documents metadata
/eas/documents/{archiveTicket}/metadata	PATCH	Update documents metadata
/eas/documents/{archiveTicket}	DELETE	Delete a document
/eas/documents	GET	Get matching documents

Authenticate

POST /service/authenticate

Request body (application/json):

```
{
  "appId": "your application id",
  "appToken": "your application token",
  "accountName": "reference to the user in the name of and on behalf of you are
executing the request"
}
```

Responses:

- Code 200: OK

Response body (application/json):

```
{
  "token": "your authorization token"
}
```

- Code 400: Bad request

Response body (application/json):

```
{
  "Message": "Detailed error message"
}
```

- Code 401: Unauthorized

curl example:

```
curl --location --request POST 'https://.../service/authenticate' \
--header 'Accept: application/json' \
--header 'Content-Type: application/json' \
--data-raw '{"appId":"your application id","appToken":"your application token","accountName":"reference to the user in the name of and on behalf of you are executing the request"}'
```

curl response body:

```
{
  "token": "your authorization token"
}
```

Upload a document

POST /eas/documents

Request headers:

- Authorization

Request body (multipart/form-data):

- fingerprint
- fingerprintAlgorithm (NONE, MD5, SHA-1, SHA-256, SHA-512)
- document (binary)
- metadata (list of name value pairs)

Responses:

- Code 200: OK

Response body (application/json):

```
{
  "archiveTicket": "unique reference towards the uploaded document"
}
```

- Code 400: Bad request

Response body (application/json):

```
{
  "Message": "Detailed error message"
}
```

- Code 401: Unauthorized

curl example:

```
curl --location --request POST 'https://.../eas/documents' \
--header 'Authorization: Bearer your authorization token' \
--form 'document=@"CRA.pdf"' \
--form 'fingerprint=""' \
--form 'fingerprintAlgorithm="none"' \
--form 'metadata=[{name: \"ClientId\", value: \"1\"}, {name: \"CustomerId\", value: \"2\"}]''
```

curl response body:

```
{
  "archiveTicket": "A_22930F1B08684C418212613C6EFEEBF3_1"
}
```

Download a document

GET /eas/documents/{archiveTicket}

Request headers:

- Authorization

Responses:

- Code 200: OK

Response body (application/json):

```
{
  "mimeType": "documents MIME-type (eq. application.pdf, text/plain, ...)",
  "base64Document": "document base64 encoded "
}
```

- Code 400: Bad request

Response body (application/json):

```
{
  "Message": "Detailed error message"
}
```

- Code 401: Unauthorized
- Code 404: Not found

curl example:

```
curl --location --request GET
'https://.../eas/documents/A_FCBDA9949D04B2980041F98E35AD05C_1' \
--header 'Accept: application/json' \
--header 'Authorization: Bearer your authorization token'
```

curl response body:

```
{
  "mimeType": "application/pdf",
  "base64Document": "JVBERi0xLjQKMSAwIG9iago8PAo...=="
}
```

Get documents metadata

GET /eas/documents/{archiveTicket}/metadata

Request headers:

- Authorization

Responses:

- Code 200: OK

Response body (application/json):

```
{
  "mimeType": "documents MIME-type (eq. application.pdf, text/plain, ...) ",
  "base64Document": "document base64 encoded "
}
```

- Code 400: Bad request

Response body (application/json):

```
{
  "Message": "Detailed error message"
}
```

- Code 401: Unauthorized
- Code 404: Not found

curl example:

```
curl --location --request GET
'https://.../eas/documents/A_FCBDA9949D04B2980041F98E35AD05C_1/metadata' \
--header 'Accept: application/json' \
--header 'Content-Type: application/json' \
--header 'Authorization: Bearer your authorization token'
```

curl response body:

```
{
  "metadata": [
    {
      "name": "Import Date",
      "value": "11/03/2021"
    },
    {
      "name": "ClientId",
      "value": "123456789"
    },
    {
      "name": "CustomerId",
      "value": "AZER456"
    },
    {
      "name": "Documenttype",
      "value": "Invoice"
    }
  ]
}
```

Update documents metadata

PATCH /eas/documents/{archiveTicket}/metadata

Request headers:

- Authorization

Responses:

- Code 200: OK
- Code 400: Bad request

Response body (application/json):

```
{
  "Message": "Detailed error message"
}
```

- Code 401: Unauthorized
- Code 404: Not found

curl example:

```
curl --location --request PATCH
'https://.../eas/documents/A_FCBDA9949D04B2980041F98E35AD05C_1/metadata' \
--header 'Content-Type: application/json' \
--header 'Authorization: Bearer your authorization token' \
--data-raw '{"metaData":[{"name":"ClientId","value": "2"}]}'
```

Delete document

DELETE /eas/documents/{archiveTicket}

Request headers:

- Authorization

Request parameters:

- Motivation

Responses:

- Code 200: OK
- Code 400: Bad request

Response body (application/json):

```
{
  "Message": "Detailed error message"
}
```

- Code 401: Unauthorized
- Code 404: Not found

curl example:

```
curl --location --request DELETE
'https://.../eas/documents/A_21967ED428F94E679296D48B6E198285_1?
motivation=ReasonWhyWeDelete' \
--header 'Authorization: Bearer your authorization token'
```

Get matching documents

GET /eas/documents/

Request headers:

- Authorization

Request parameters:

- pageNumber
- pageSize
- filter
- fields
- sortBy

fields = comma separated list of metadata filenames

sortBy = metadata fieldname asc | desc

filter = comma separated list of **field[operator]value** format

Supported operators:

Operator	Meaning
sw	starts with
ew	ends with
eq	equal to
ne	not equal to
lt	less than
lte	less than or equal to
gt	greater than
gte	greater than or equal to

Responses:

- Code 200: OK

Response body (application/json):

```
{
  "data": [],
  "pageSize": 0,
  "pageNumber": 0,
  "totalPages": 0,
  "totalRecords": 0
}
```

- Code 400: Bad request

Response body (application/json):

```
{
  "Message": "Detailed error message"
}
```

- Code 401: Unauthorized

curl example:

```
curl --location --request GET 'https://.../eas/documents?
fields=ClientId,CustomerId,Documenttype&filter=ClientId[eq]*&pageNumber=1&pageSi
ze=20&sortBy=' \
--header 'Accept: application/json' \
--header 'Authorization: Bearer your authorization token'
```

curl response body:

```
{
  "data": [
    {
      "ArchiveTicket": "A_C64C95787F264E70AF0783DE47A5EA32_1",
      "ClientId": "1",
      "CustomerId": "1",
      "Documenttype": "Invoice"
    },
    {
      "ArchiveTicket": "A_FCBDA9949D04B2980041F98E35AD05C_1",
      "ClientId": "2",
      "CustomerId": "2",
      "Documenttype": "Payslip"
    }
  ],
  "pageSize": 20,
  "pageNumber": 1,
  "totalPages": 1,
  "totalRecords": 2
}
```

Examples

App id = f33c398c-0f77-4351-9f92-1e20fa3fd2f8

App token = e1320735-e174-4150-9edb-b5daf85be6d1

Associated archive profiles metadata = ClientId, CustomerId, Documenttype

Metadata names are case sensitive

Authenticate

```
curl --location --request POST
'https://.../EAS.INTEGRATOR.API/service/authenticate' \
--header 'Accept: application/json' \
--header 'Content-Type: application/json' \
--data-raw '{"appId":"f33c398c-0f77-4351-9f92-1e20fa3fd2f8","appToken":"e1320735-e174-4150-9edb-b5daf85be6d1","accountName":"demoAccount"}'
```

Upload document

ClientId = 1, CustomerId = 1 and Documenttype = Invoice


```
curl --location --request POST 'https://.../EAS.INTEGRATOR.API/eas/documents' \
--header 'Authorization: Bearer
M1oxTHBIdko5Y3paR3lsm2tdaFp5RkviY29NunJstXBrZnpSd1ZaeVFIdwk4Y0ZnR21wbGJwbG1vRVBJ
Mlp0am8wM3dZVzlrXpoeGZHNHdiNVNBbFJEMDlaTFJ6Zn1BQUZweUhLeG9ac1AlmkJCblg1mkJCa2pJ
wmJJSupMTyUyRkpNODRVNXdbMHJMOUI3NiuyqiuyQl1MOWdTZlK0a1oydGpZQ1hNaGJpc1RQdkRSaGZH
STVzS2R5d1ZodktEY3NiaURja055dmhGalc0VjN5S0xkUEJpc3drYXFYyjkwd004eH1kRVRJTzc3Mw12
S0tus3Jab1VMRVo5VkkxWHZNSm1IUD1LZCUyQm1pVWI1MkJvTWVUOXM1M0Q=' \
--form 'document=@"invoice20200201.pdf"' \
--form 'fingerprint=""' \
--form 'fingerprintAlgorithm="none"' \
--form 'metadata="{[name: \"ClientId\", value: \"1\"], [name: \"CustomerId\",
value: \"1\"],[name: \"Documenttype\", value: \"Invoice\"]}"'
```

Get document

```
curl --location --request GET
'https://.../EAS.INTEGRATOR.API/eas/documents/A_FCBDA9949D04B2980041F98E35AD05C
_1' \
--header 'Accept: application/json' \
--header 'Authorization: Bearer
M1oxTHBIdko5Y3paR3lsm2tdaFp5RkviY29NunJstXBrZnpSd1ZaeVFIdwk4Y0ZnR21wbGJwbG1vRVBJ
Mlp0am8wM3dZVzlrXpoeGZHNHdiNVNBbFJEMDlaTFJ6Zn1BQUZweUhLeG9ac1AlmkJCblg1mkJCa2pJ
wmJJSupMTyUyRkpNODRVNXdbMHJMOUI3NiuyqiuyQl1MOWdTZlK0a1oydGpZQ1hNaGJpc1RQdkRSaGZH
STVzS2R5d1ZodktEY3NiaURja055dmhGalc0VjN5S0xkUEJpc3drYXFYyjkwd004eH1kRVRJTzc3Mw12
S0tus3Jab1VMRVo5VkkxWHZNSm1IUD1LZCUyQm1pVWI1MkJvTWVUOXM1M0Q='
```

Get documents metadata

```
curl --location --request GET
'https://.../EAS.INTEGRATOR.API/eas/documents/A_FCBDA9949D04B2980041F98E35AD05C
_1/metadata' \
--header 'Accept: application/json' \
--header 'Content-Type: application/json' \
--header 'Authorization: Bearer
M1oxTHBIdko5Y3paR3lsm2tdaFp5RkviY29NunJstXBrZnpSd1ZaeVFIdwk4Y0ZnR21wbGJwbG1vRVBJ
Mlp0am8wM3dZVzlrXpoeGZHNHdiNVNBbFJEMDlaTFJ6Zn1BQUZweUhLeG9ac1AlmkJCblg1mkJCa2pJ
wmJJSupMTyUyRkpNODRVNXdbMHJMOUI3NiuyqiuyQl1MOWdTZlK0a1oydGpZQ1hNaGJpc1RQdkRSaGZH
STVzS2R5d1ZodktEY3NiaURja055dmhGalc0VjN5S0xkUEJpc3drYXFYyjkwd004eH1kRVRJTzc3Mw12
S0tus3Jab1VMRVo5VkkxWHZNSm1IUD1LZCUyQm1pVWI1MkJvTWVUOXM1M0Q='
```

Update documents meta (change ClientId into 2)

Change ClientId into 2.

```
curl --location --request PATCH
'https://.../EAS.INTEGRATOR.API/eas/documents/A_FCBDA9949D04B2980041F98E35AD05C
_1/metadata' \
--header 'Authorization: Bearer
M1oxTHBidko5Y3paR3lsm2tdaFp5RkviY29NunJstXBrZnpSd1ZaeVFidwk4Y0ZnR21wbGJwbG1vRVBJ
Mlp0am8wM3dZVz1rcXpoeGZHNHdiNVNBbFJEMDlaTFJ6Zn1BQUZweUhlEG9ac1AlmkJCblg1mkJCa2pJ
wmJJSupMTyUyRkpnODRvNXdbMHJMOUI3NiuyQiuyQl1MowdTZ1k0a1oydGpZQ1hNaGJpc1RQdkRSaGZH
STVzS2R5d1ZodkteY3NiaURja055dmhGa1c0VjN5S0xkUEJpc3dryXFYyjkwd004eH1krVRJTzc3Mw12
S0tuS3Jab1VMRVo5VkkxWHZNSm1IUD1LZCUyQm1pVWI1MkJvTWVUOXM1MQ=' \
--header 'Content-Type: application/json' \
--data-raw '{"metaData":[{"name":"ClientId","value": "2"}]}'
```

Delete document

```
curl --location --request DELETE
'https://.../EAS.INTEGRATOR.API/eas/documents/A_FCBDA9949D04B2980041F98E35AD05C
_1?motivation=ReasonwhyWeDelete' \
--header 'Authorization: Bearer
M1oxTHBidko5Y3paR3lsm2tdaFp5RkviY29NunJstXBrZnpSd1ZaeVFidwk4Y0ZnR21wbGJwbG1vRVBJ
Mlp0am8wM3dZVz1rcXpoeGZHNHdiNVNBbFJEMDlaTFJ6Zn1BQUZweUhlEG9ac1AlmkJCblg1mkJCa2pJ
wmJJSupMTyUyRkpnODRvNXdbMHJMOUI3NiuyQiuyQl1MowdTZ1k0a1oydGpZQ1hNaGJpc1RQdkRSaGZH
STVzS2R5d1ZodkteY3NiaURja055dmhGa1c0VjN5S0xkUEJpc3dryXFYyjkwd004eH1krVRJTzc3Mw12
S0tuS3Jab1VMRVo5VkkxWHZNSm1IUD1LZCUyQm1pVWI1MkJvTWVUOXM1MQ='
```

Get documents

Get documents for ClientId = 1:

ClientId[eq]1

```
curl --location --request GET 'https://.../EAS.INTEGRATOR.API/eas/documents?
fields=ClientId,CustomerId,Documenttype&filter=ClientId[eq]1&pageNumber=1&pagesi
ze=20&sortBy=' \
--header 'Accept: application/json' \
--header 'Authorization: Bearer
M1oxTHBidko5Y3paR3lsm2tdaFp5RkviY29NunJstXBrZnpSd1ZaeVFidwk4Y0ZnR21wbGJwbG1vRVBJ
Mlp0am8wM3dZVz1rcXpoeGZHNHdiNVNBbFJEMDlaTFJ6Zn1BQUZweUhlEG9ac1AlmkJCblg1mkJCa2pJ
wmJJSupMTyUyRkpnODRvNXdbMHJMOUI3NiuyQiuyQl1MowdTZ1k0a1oydGpZQ1hNaGJpc1RQdkRSaGZH
STVzS2R5d1ZodkteY3NiaURja055dmhGa1c0VjN5S0xkUEJpc3dryXFYyjkwd004eH1krVRJTzc3Mw12
S0tuS3Jab1VMRVo5VkkxWHZNSm1IUD1LZCUyQm1pVWI1MkJvTWVUOXM1MQ='
```

Get documents for ClientId = 1 and Documenttype starts with Inv

ClientId[eq]1,Documenttype[sw]Inv

```
curl --location --request GET 'https://.../EAS.INTEGRATOR.API/eas/documents?
fields=ClientId,CustomerId,Documenttype&filter=ClientId[eq]1,Documenttype[sw]Inv
&pageNumber=1&pageSize=20&sortBy=' \
--header 'Accept: application/json' \
--header 'Authorization: Bearer
M1oxTHBidko5Y3paR3lsM2tDaFp5RkviY29NUnJSTXBrZnpSd1ZaeVFIIdwk4Y0ZnR21wbGJwbG1vRVBJ
Mlp0am8wM3dZVzlrXpoeGZHNHdiNVNBbFJEMDlaTFJ6Zn1BQUZweUhLeG9ac1AlmkJCb1g1MkJCa2pJ
WmJJSupMTyUyRkpNODRvNXdBMHJMOUI3NiuyQiuyQl1MOWdTZ1k0a1oydGpZQ1hNaGJpc1RQdkRSaGZH
STVzS2R5d1ZodktEY3NIaURja055dmhGa1c0VjN5S0xkUEJpc3drYXFYYjkwd004eH1kRVRJTzc3MW12
S0tus3Jab1VMRVo5VkkxWHZNSm1IUD1LZCuyQm1pVWI1MkJvTWVUOXM1MQQ='
```